

EAST Search History

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|-----|---------|--|--|----|----|------------------|
| S9 | 1249 | 710/260.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:46 |
| S10 | 157 | 714/51.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:48 |
| S11 | 2060 | 700/121,123.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:48 |
| S12 | 608 | 700/266,306.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:48 |
| S13 | 359 | 700/204,244.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:48 |
| S14 | 188 | 700/281,289.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:48 |
| S15 | 4582 | (S11 or S12 or S13 or S13 or S14 or S9 or S10) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:48 |
| S16 | 2350589 | (spincoat\$3 or coat\$3) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:49 |

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|-----|-------|---|--|----|----|------------------|
| S17 | 657 | S15 and S16 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:51 |
| S18 | 443 | (regulat\$3 or control\$4) with (process or operation) with hardware near3 interrupt\$3 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:52 |
| S19 | 0 | S17 and S18 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:52 |
| S20 | 14 | S16 and S18 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 14:52 |
| S21 | 0 | ("2004/0083953").URPN. | USPAT | OR | ON | 2007/10/28 14:56 |
| S22 | 40480 | develop\$3 with (rotat\$3 or spin\$4) | USPAT | OR | ON | 2007/10/28 14:58 |
| S23 | 57 | S22 and hardware near3 interrupt\$3 | USPAT | OR | ON | 2007/10/28 15:03 |
| S24 | 6 | S23 and (developer or develop\$3 near3 (solution or liquid or agent or chemical or chemistry)) | USPAT | OR | ON | 2007/10/28 15:01 |
| S25 | 14353 | S22 and (developer or develop\$3 near3 (solution or liquid or agent or chemical or chemistry)) | USPAT | OR | ON | 2007/10/28 15:02 |
| S26 | 9224 | (wafer or substrate) with (developer or develop\$3 near3 (solution or liquid or agent or chemical or chemistry)) | USPAT | OR | ON | 2007/10/28 15:03 |
| S27 | 1803 | S22 and (wafer or substrate) with (developer or develop\$3 near3 (solution or liquid or agent or chemical or chemistry)) | USPAT | OR | ON | 2007/10/28 15:11 |
| S28 | 0 | S27 and hardware near3 interrupt\$3 | USPAT | OR | ON | 2007/10/28 15:04 |
| S29 | 11 | S27 and serial near3 (control\$4 or process\$3) | USPAT | OR | ON | 2007/10/28 15:13 |

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|-----|--------|--|--|----|----|------------------|
| S30 | 254788 | (developer or developing near2 (liquid or solution or chemistry or chemical)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/10/28 15:10 |
| S31 | 60022 | (wafer or substrate) with (spincoat\$3 or spin near2 coat\$3 or rotat\$3 or spin\$4) | USPAT | OR | ON | 2007/10/28 15:12 |
| S32 | 8302 | S30 and S31 | USPAT | OR | ON | 2007/10/28 15:12 |
| S33 | 32 | S32 and serial near3 (control\$4 or process\$3 algorithm) | USPAT | OR | ON | 2007/10/28 15:25 |
| S34 | 18631 | develop\$3 near3 (wafer or substrate or workpiece) | USPAT | OR | ON | 2007/10/28 15:47 |
| S35 | 5464 | S31 and S34 | USPAT | OR | ON | 2007/10/28 15:24 |
| S36 | 32 | S32 and serial near3 (control\$4 or process\$3 or algorithm) | USPAT | OR | ON | 2007/10/28 15:25 |
| S37 | 0 | S36 not S33 | USPAT | OR | ON | 2007/10/28 15:25 |
| S38 | 47 | S35 and serial near3 (control\$4 or process\$3 or algorithm) | USPAT | OR | ON | 2007/10/28 15:46 |
| S39 | 3186 | S35 and ("118"/\$.ccls. or "427"/\$.ccls. or "438"/\$.ccls. or 396/611, 627.ccls. or "430"/\$.ccls.) | USPAT | OR | ON | 2007/10/28 15:32 |
| S40 | 42 | S35 and S15 | USPAT | OR | ON | 2007/10/28 15:45 |
| S41 | 37777 | dispens\$3 with (control\$4 or regulat\$3) | USPAT | OR | ON | 2007/10/28 15:46 |
| S42 | 106 | S39 and S41 | USPAT | OR | ON | 2007/10/28 15:46 |
| S43 | 2 | S42 and serial near3 (control\$4 or process\$3 or algorithm) | USPAT | OR | ON | 2007/10/28 16:04 |
| S44 | 0 | S42 and hardware near2 interrupt\$3 | USPAT | OR | ON | 2007/10/28 15:50 |
| S45 | 130949 | (develop\$3 or \$5coat\$3) near3 (wafer or substrate or workpiece) | USPAT | OR | ON | 2007/10/28 15:48 |
| S46 | 455803 | (develop\$3 or \$5coat\$3) and (wafer or substrate or workpiece) | USPAT | OR | ON | 2007/10/28 15:56 |
| S47 | 455803 | (S45 or S46) | USPAT | OR | ON | 2007/10/28 15:48 |
| S48 | 3403 | S47 and serial near3 (control\$4 or process\$3 or algorithm) | USPAT | OR | ON | 2007/10/28 15:50 |
| S49 | 133 | S47 and serial near3 execut\$3 | USPAT | OR | ON | 2007/10/28 15:50 |
| S50 | 3474 | (S48 or S49) | USPAT | OR | ON | 2007/10/28 15:50 |
| S51 | 110 | S50 and hardware near2 interrupt\$3 | USPAT | OR | ON | 2007/10/28 15:51 |

EAST Search History

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|-----|--------|---|-------|----|----|------------------|
| S52 | 0 | execut\$3 with process near3 commands with parallel near3 (tim\$3 or duration) with (previous or earlier) near3 (process or event or operation or command or routine or step) | USPAT | OR | ON | 2007/10/28 15:58 |
| S53 | 0 | execut\$3 with commands with parallel near3 (tim\$3 or duration) near4 (start\$3 or commenc\$4 or begin\$4 or measur\$2) with (previous or earlier) near3 (process or event or operation or command or routine or step) | USPAT | OR | ON | 2007/10/28 16:00 |
| S54 | 0 | (actuat\$3 or process\$3 or initiat\$3) with commands with parallel near3 (tim\$3 or duration) near4 (start\$3 or commenc\$4 or begin\$4 or measur\$2) with (previous or earlier) near3 (process or event or operation or command or routine or step) | USPAT | OR | ON | 2007/10/28 16:01 |
| S55 | 430 | S47 and (prevent\$3 or preclud\$3 or avoid\$3 or inhibit\$3 or obviat\$3 or stop\$4) near4 tim\$3 near3 (vary\$3 or variation or variab\$5 or error) | USPAT | OR | ON | 2007/10/28 16:11 |
| S56 | 17 | S55 and serial near3 (control\$4 or process\$3 or algorithm) | USPAT | OR | ON | 2007/10/28 16:08 |
| S57 | 1 | S55 and serial near3 execut\$3 | USPAT | OR | ON | 2007/10/28 16:09 |
| S58 | 114003 | (detect\$3 or sens\$3 or pump or dispens\$3 or nozzle or turntable or spin\$4 near3 chuck or tim\$3) with interrupt\$3 | USPAT | OR | ON | 2007/10/28 16:11 |
| S59 | 4157 | (prevent\$3 or preclud\$3 or avoid\$3 or inhibit\$3 or obviat\$3 or stop\$4) near4 tim\$3 near3 (vary\$3 or variation or variab\$5 or error) | USPAT | OR | ON | 2007/10/28 16:11 |
| S60 | 735 | S58 and S59 | USPAT | OR | ON | 2007/10/28 16:13 |
| S61 | 57 | S60 and (S25 or S26 or S30 or S31 or S34 or S39 or S50) | USPAT | OR | ON | 2007/10/28 16:13 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|--|------------------|---------|------------------|
| S1 | 22623 | interrupt\$3 same (dispens\$3 or spray\$3 or jet\$4 or nozzle) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 14:00 |
| S2 | 39380 | develop\$3 near3 (wafer or substrate or workpiece) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 14:50 |
| S3 | 91 | S1 and S2 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 14:01 |
| S4 | 18 | ("4633804" "5059266" "5578127" "5662785" "5804046" "6033480" "6063190").PN. OR ("6416583").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/09 14:23 |
| S5 | 282456 | coat\$3 near3 (wafer or substrate or workpiece) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 14:51 |
| S6 | 685 | S1 and S5 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 14:51 |
| S7 | 597 | S6 and tim\$3 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 14:53 |
| S8 | 33 | S6 and (timer or timing near2 (error or variation or variabilit\$3)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 14:58 |

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|-----|------|--|--|----|----|------------------|
| S9 | 2560 | (S2 or S5) and (timer or timing near2 (error or variation or variabilit\$3)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 14:58 |
| S10 | 35 | S1 and S9 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 15:00 |
| S11 | 0 | S9 and (plural\$3 or multiple) near3 subroutine | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 15:01 |
| S12 | 4 | S9 and series near3 subroutine | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 15:43 |
| S13 | 57 | S9 and serial near2 (control\$4 or process\$3) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 15:46 |
| S14 | 2654 | (rotat\$3 or spin\$8) with parallel with (dispens\$3 or spray\$3 or nozzle near3 (mov\$5 or return\$3 or position or stop\$4)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 15:14 |
| S15 | 7 | S9 and S14 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 15:10 |
| S16 | 183 | (S2 or S5) and S14 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 15:14 |

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|-----|--------|---|--|----|----|------------------|
| S17 | 8 | (S2 or S5) and (series or sequential\$2) near3 subroutine | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 15:44 |
| S18 | 623 | (S2 or S5) and serial near2 (control\$4 or process\$3) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 15:49 |
| S19 | 131 | S18 and (rotat\$3 or spin\$8) near3 (wafer or substrate or workpiece) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:45 |
| S20 | 39 | (software or hardware) near2 interrupt\$3 and (rotat\$3 or spin\$8) near3 (wafer or substrate or workpiece) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:27 |
| S21 | 1847 | (software or hardware) near2 interrupt\$3 and serial near3 (control\$4 or process\$3) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:28 |
| S22 | 131 | S1 and S21 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:28 |
| S23 | 158618 | ("700"/\$.ccls. or "702"/\$.ccls. or "714"/\$.ccls.) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:44 |
| S24 | 328497 | (S1 or S2 or S5) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:44 |

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| S25 | 1752 | S23 and S24 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:44 |
| S26 | 305 | S25 and (rotat\$3 or spin\$8) near3 (wafer or substrate or workpiece) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:46 |
| S27 | 22 | S26 and (S1 or S21) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:50 |
| S28 | 895 | ("438"/\$.ccls. or "430"/\$.ccls. or "427"/\$.ccls. or "396"/\$.ccls.) and (S1 or S21) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/09 16:52 |